

CLAIMS

What is claimed is:

- 1 1. A method for charging for Internet Protocol usage utilizing a wireless
2 network, comprising:
3 (a) receiving call description record information from a wireless network in real-
4 time, wherein the call description record information is associated with
5 customer communication over the wireless network;
6 (b) collecting Internet Protocol content usage information associated with the
7 transmission of content using an IP during the customer communication in
8 real-time; and
9 (c) charging the customer for the customer communication utilizing the call
10 description record information and the Internet Protocol content usage
11 information.
- 1 2. The method as recited in claim 1, wherein the call description record
2 information is received from a general packet radio service system.
- 1 3. The method as recited in claim 1, wherein fraud and quality of service is
2 monitored in real-time utilizing the call description record information and
3 the Internet Protocol content usage information.
- 1 4. The method as recited in claim 1, wherein the customer is charged for the
2 customer communication based on volume data of the call description record
3 information.

- 1 5. The method as recited in claim 1, wherein the customer is charged for the
2 customer communication based on time data of the call description record
3 information.
- 1 6. The method as recited in claim 1, wherein the customer is charged for the
2 customer communication by mapping the Internet Protocol content usage
3 information to the call description record information.
- 1 7. The method as recited in claim 1, wherein an Internet Protocol (IP) address is
2 assigned to mobile communication units which are capable of communicating
3 using the wireless network.
- 1 8. The method as recited in claim 7, wherein aspects associated with the
2 customer communication over the wireless network are varied based on the
3 IP address.
- 1 9. The method as recited in claim 8, wherein the aspects are selected from the
2 group consisting of quality of service, access, and prioritization.
- 1 10. A computer program product for charging for Internet Protocol usage
2 utilizing a wireless network, comprising:
3 (a) computer code for receiving call description record information from a
4 wireless network in real-time, wherein the call description record information
5 is associated with customer communication over the wireless network;
6 (b) computer code for collecting Internet Protocol content usage information
7 associated with the transmission of content using an IP during the customer
8 communication in real-time; and

9 (c) computer code for charging the customer for the customer communication
10 utilizing the call description record information and the Internet Protocol
11 content usage information.

1 11. The computer program product as recited in claim 10, wherein the call
2 description record information is received from a general packet radio service
3 system.

1 12. The computer program product as recited in claim 10, wherein fraud and
2 quality of service is monitored in real-time utilizing the call description
3 record information and the Internet Protocol content usage information.

1 13. The computer program product as recited in claim 10, wherein the customer
2 is charged for the customer communication based on volume data of the call
3 description record information.

1 14. The computer program product as recited in claim 10, wherein the customer
2 is charged for the customer communication based on time data of the call
3 description record information.

1 15. The computer program product as recited in claim 10, wherein the customer
2 is charged for the customer communication by mapping the Internet Protocol
3 content usage information to the call description record information.

1 16. The computer program product as recited in claim 10, wherein an Internet
2 Protocol (IP) address is assigned to mobile communication units which are
3 capable of communicating using the wireless network.

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- 1 17. The computer program product as recited in claim 16, wherein aspects
2 associated with the customer communication over the wireless network are
3 varied based on the IP address.
- 1 18. The computer program product as recited in claim 17, wherein the aspects are
2 selected from the group consisting of quality of service, access, and
3 prioritization.
- 1 19. A system for charging for Internet Protocol usage utilizing a wireless
2 network, comprising:
3 (a) logic for receiving call description record information from a wireless
4 network in real-time, wherein the call description record information is
5 associated with customer communication over the wireless network;
6 (b) logic for collecting Internet Protocol content usage information associated
7 with the transmission of content using an IP during the customer
8 communication in real-time; and
9 (c) logic for charging the customer for the customer communication utilizing the
10 call description record information and the Internet Protocol content usage
11 information.
- 1 20. A method for altering service over a wireless network based on an Internet
2 Protocol (IP) address, comprising:
3 (a) receiving a call from a mobile communication unit utilizing a wireless
4 network, wherein the mobile communication unit has an IP address
5 associated therewith;
6 (b) identifying the IP address associated with the mobile communication unit;
7 and
8 (c) altering service over the wireless network based on the IP address.

1 21. The method as recited in claim 20, wherein the service is altered by altering a
2 quality of service of the call.

1 22. The method as recited in claim 20, wherein the service is altered by altering
2 an access provided to the mobile communication unit during the call.

1 23. The method as recited in claim 20, wherein the service is altered by altering a
2 prioritization of the call.

1 24. A computer program product for altering service over a wireless network
2 based on an Internet Protocol (IP) address, comprising:
3 (a) computer code for receiving a call from a mobile communication unit
4 utilizing a wireless network, wherein the mobile communication unit has an
5 IP address associated therewith;
6 (b) computer code for identifying the IP address associated with the mobile
7 communication unit; and
8 (c) computer code for altering service over the wireless network based on the IP
9 address.

1 25. The computer program product as recited in claim 24, wherein the service is
2 altered by altering a quality of service of the call.

1 26. The computer program product as recited in claim 24, wherein the service is
2 altered by altering an access provided to the mobile communication unit
3 during the call.

1 27. The computer program product as recited in claim 24, wherein the service is
2 altered by altering a prioritization of the call.

- 1 28. A system for altering service over a wireless network based on an Internet
2 Protocol (IP) address, comprising:
3 (a) logic for receiving a call from a mobile communication unit utilizing a
4 wireless network, wherein the mobile communication unit has an IP address
5 associated therewith;
6 (b) logic for identifying the IP address associated with the mobile
7 communication unit; and
8 (c) logic for altering service over the wireless network based on the IP address.

- 1 29. A system comprising:
2 (a) means for receiving a call from a mobile communication unit of a customer
3 utilizing a wireless network, wherein the mobile communication unit has an
4 IP address associated therewith;
5 (b) means for receiving call description record information from the wireless
6 network in real-time, wherein the call description record information is
7 associated with customer communication over the wireless network utilizing
8 the mobile communication unit;
9 (c) means for collecting Internet Protocol content usage information associated
10 with the transmission of content using an IP during the customer
11 communication in real-time;
12 (d) means for altering service over the wireless network based on the IP address;
13 and
14 (e) means for charging the customer for the customer communication utilizing
15 the call description record information and the Internet Protocol content
16 usage information.